

Table3-17
Evaluation of Process Options for Landfill
Containment Area
Investigation Area H1
Mare Island, Vallejo, California

General Response Action	Remedial Technology Type	Technology Process Options	Effectiveness	Implementability	Cost	Screening Results
Management and Institutional Controls	Land Use Restriction	Deed, planning documents	Prevents incompatible land development	Can be readily implemented.	Low	Retained
Management and Institutional Controls	Access Restriction	Access limitations, education	Limits access to certain sensitive areas	Can be readily implemented.	Low	Retained
Disposal	Off-Site Disposal	Excavation and Disposal	Transfers contaminations from one area to another.	Can be Implementable, requires handling and transportation of contaminated soil to an off-site location.	High	Retained
Containment	Surface Controls	Drainage and Sloping for adequate runoff of cap	Prevents improper surface runoff	Can be readily implemented.	Low	Retained
Containment	Capping	Multilayer RCRA cap	Contains waste, High degree of protection	Can be implemented	Moderate	Retained
Containment	Capping	Multilayer non-RCRA Cap	Contains waste, adequate for non-RCRA regulated areas	Can be readily implemented	Moderate	Retained
Collection	Passive Controls	Passive Landfill gas collection	Effective in collecting landfill gas for venting, monitoring, Treating if required	Can be implemented	Low	Retained
Collection	Active Controls	Active Landfill gas collection	Effective in collecting landfill gas for venting, monitoring, Treating if required	Can be implemented	High	Retained
Monitoring	Monitoring	Venting and monitoring landfill gas	Effective to evaluate and monitor landfill gas	Can be implemented	Low	Retained

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Containment	Capping	Native Soil cap	Contains waste, however a native soil cap would not adequately prevent infiltration	Can be readily implemented	Low	Eliminated



The shading indicates the technology process option was eliminated from further consideration.